

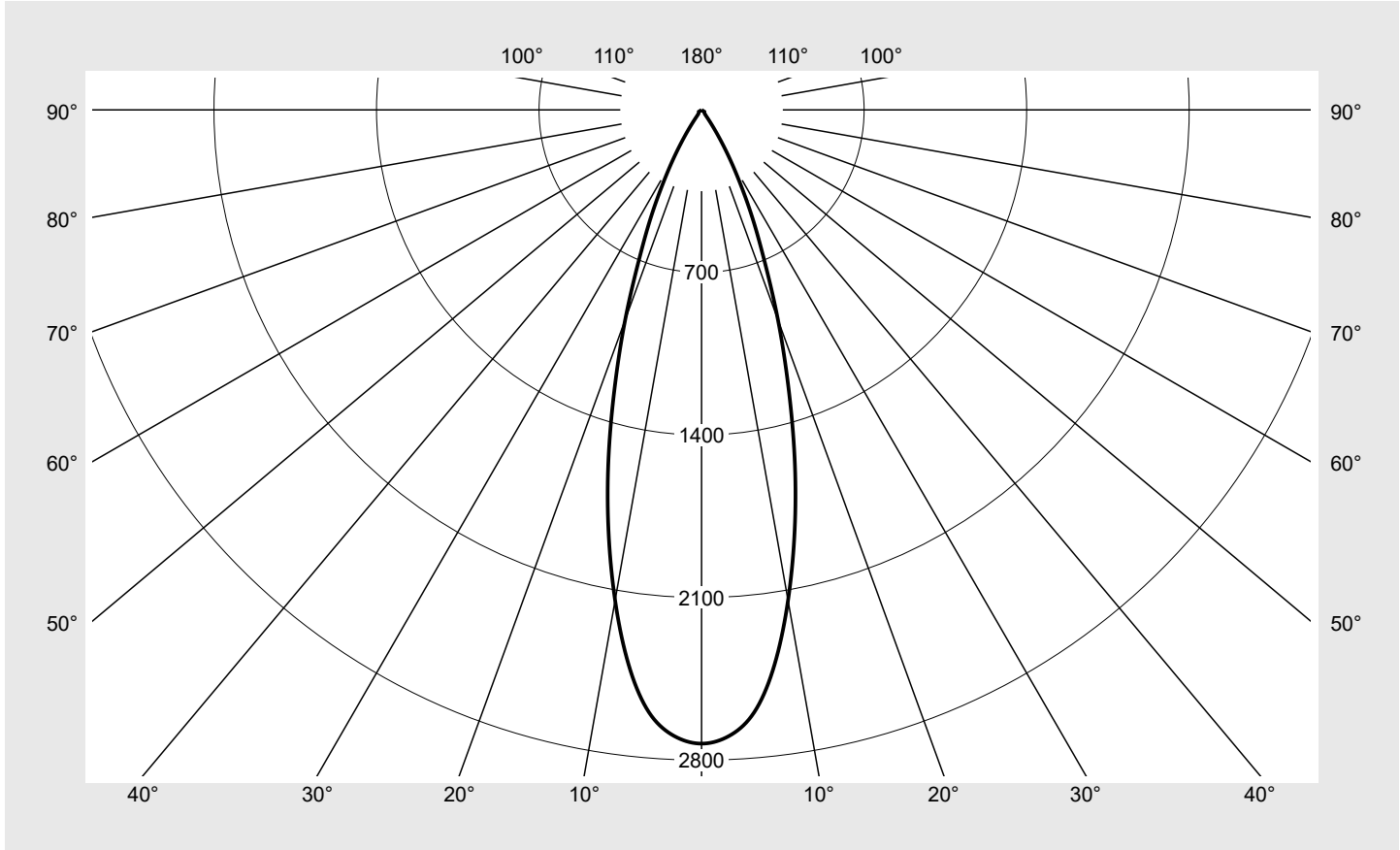


# Photometric test report

<b>Family</b> <b>Spot 21 Performance</b>	<b>Order number: 51SD13DB11D3B</b> <b>EAN: 4069025538352</b>	<b>LP number</b> <b>59943_12</b>										
	<table border="0"> <tr> <td><b>Version</b></td> <td>housing, white, reflector, cover glass, transparent, medium distribution</td> </tr> <tr> <td><b>Lamps</b></td> <td>LED 4000 K   CRI ≥ 90</td> </tr> <tr> <td><b>Controlgear</b></td> <td>ECG-DALI-Multilumen</td> </tr> <tr> <td><b>Setting</b></td> <td>factory setting: DIP-Step=7</td> </tr> <tr> <td><b>Rated values</b></td> <td>                     Net luminous flux = 3220 lm                      Power consumption = 20.4 W                      Luminous efficacy = 157.8 lm/W                 </td> </tr> </table>	<b>Version</b>	housing, white, reflector, cover glass, transparent, medium distribution	<b>Lamps</b>	LED 4000 K   CRI ≥ 90	<b>Controlgear</b>	ECG-DALI-Multilumen	<b>Setting</b>	factory setting: DIP-Step=7	<b>Rated values</b>	Net luminous flux = 3220 lm Power consumption = 20.4 W Luminous efficacy = 157.8 lm/W	<b>serial documentation</b> <b>11.05.2026</b>  
<b>Version</b>	housing, white, reflector, cover glass, transparent, medium distribution											
<b>Lamps</b>	LED 4000 K   CRI ≥ 90											
<b>Controlgear</b>	ECG-DALI-Multilumen											
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**Luminous intensity in cd/klm** C180-0 **Imax: 2729 cd/klm**



Classifications	
DIN 5040	A 8 0
CIE	N1=95 N2=98 N3=100 N4=100 N5=100

Luminaire light output ratios	
$\eta_{LB}$	100.0%
$\phi_u$	100.0%
$\phi_o$	0.0%

**Measurement conditions**  
 DIN EN 13032 and DIN 5032

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**sITeco**

<b>Table of values for luminous intensities</b>	<b>Maximum luminous intensity</b>
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C-planes	0°	Phi-zone	Total Phi-zone
$\gamma$	Luminous intensity in cd/klm	Luminous flux in lm/klm	
0,0°	2728.9	4.1	4.1
2,5°	2698.9	32.3	36.4
5,0°	2603.6	62.2	98.6
7,5°	2408.8	86.2	184.7
10,0°	2144.7	102.1	286.8
12,5°	1852.9	109.9	396.8
15,0°	1547.7	109.8	506.6
17,5°	1239.0	102.1	608.7
20,0°	961.6	90.2	698.9
22,5°	713.3	74.8	773.7
25,0°	529.0	61.3	835.0
27,5°	368.4	46.6	881.6
30,0°	242.5	33.2	914.9
32,5°	138.8	20.4	935.3
35,0°	65.4	10.3	945.6
37,5°	27.0	4.5	950.1
40,0°	21.6	3.8	953.9
42,5°	19.4	3.6	957.5
45,0°	17.7	3.4	960.9
47,5°	16.6	3.3	964.3
50,0°	15.6	3.3	967.6
52,5°	14.8	3.2	970.8
55,0°	14.3	3.2	974.0
57,5°	14.0	3.2	977.2
60,0°	13.5	3.2	980.4
62,5°	13.0	3.1	983.5
65,0°	12.1	3.0	986.5
67,5°	11.2	2.8	989.4
70,0°	10.0	2.6	992.0
72,5°	8.7	2.3	994.3
75,0°	7.0	1.9	996.1
77,5°	5.4	1.5	997.6
80,0°	4.0	1.1	998.7
82,5°	2.8	0.8	999.4
85,0°	1.6	0.4	999.9
87,5°	0.5	0.1	1000.0
90,0°	0.0	0.0	1000.0

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<b>UGR-Table</b>	<b>Standard room</b>	<b>siteco</b>
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Reflection factor of ceiling	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3	
Reflection factor of walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3	
Reflection factor of floor	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
Room dimensions	View crosswise (C0)					View endwise (C90)					
x	y										
2H	2H	16.0	17.0	16.4	17.4	17.7	16.0	17.0	16.4	17.4	17.7
	3H	17.4	18.3	17.8	18.7	19.0	17.4	18.3	17.8	18.7	19.0
	4H	18.1	18.9	18.5	19.2	19.6	18.1	18.9	18.5	19.2	19.6
	6H	18.5	19.2	18.9	19.6	20.0	18.5	19.2	18.9	19.6	20.0
	8H	18.8	19.3	19.2	19.7	20.1	18.8	19.3	19.2	19.7	20.1
	12H	18.8	19.3	19.2	19.7	20.1	18.8	19.3	19.2	19.7	20.1
4H	2H	16.5	17.3	16.9	17.7	18.0	16.5	17.3	16.9	17.7	18.0
	3H	18.2	18.8	18.6	19.2	19.7	18.2	18.8	18.6	19.2	19.7
	4H	18.9	19.5	19.3	19.9	20.4	18.9	19.5	19.3	19.9	20.4
	6H	19.4	19.9	19.9	20.3	20.8	19.4	19.9	19.9	20.3	20.8
	8H	19.6	20.0	20.1	20.5	21.0	19.6	20.0	20.1	20.5	21.0
	12H	19.7	20.1	20.2	20.5	21.0	19.7	20.1	20.2	20.5	21.0
8H	4H	19.2	19.6	19.7	20.1	20.5	19.2	19.6	19.7	20.1	20.5
	6H	19.8	20.1	20.3	20.6	21.1	19.8	20.1	20.3	20.6	21.1
	8H	20.0	20.3	20.5	20.8	21.3	20.0	20.3	20.5	20.8	21.3
	12H	20.1	20.4	20.7	20.9	21.4	20.1	20.4	20.7	20.9	21.4
12H	4H	19.2	19.5	19.7	20.0	20.5	19.2	19.5	19.7	20.0	20.5
	6H	19.8	20.1	20.3	20.6	21.1	19.8	20.1	20.3	20.6	21.1
	8H	20.1	20.3	20.6	20.8	21.4	20.1	20.3	20.6	20.8	21.4

<b>Luminance table</b>	<b>Max. for <math>\gamma \geq 65^\circ</math></b>	<b>Photometric dimensions in mm: D = 82</b>
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<b>C-planes</b>	<b>0°</b>
$\gamma$	<b>Luminance in cd/m<sup>2</sup></b>
45,0°	15234.9
50,0°	14759.8
55,0°	15153.5
60,0°	16404.2
65,0°	17523.6
70,0°	17895.1
75,0°	16554.3
80,0°	14097.9
85,0°	11235.4

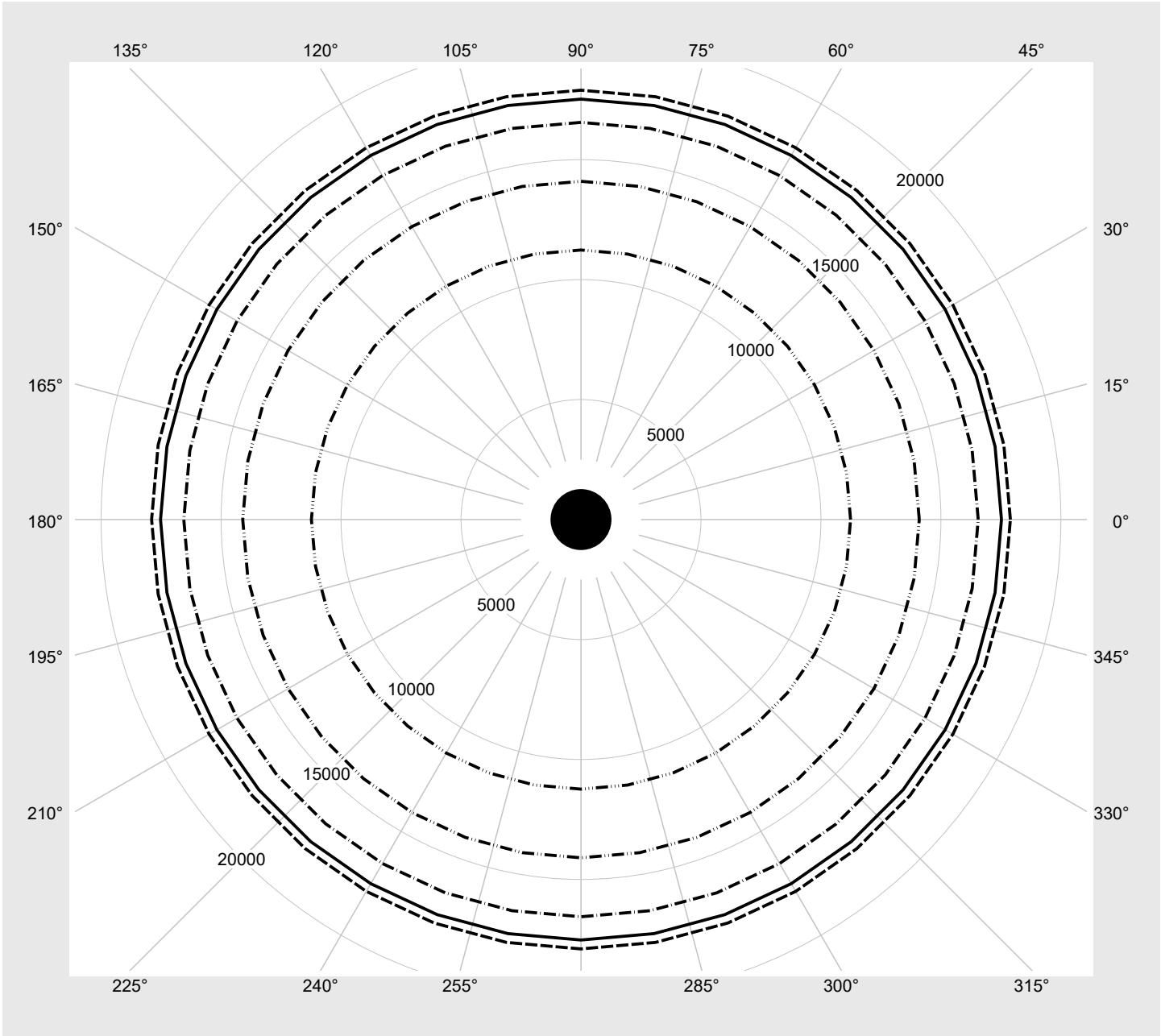
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Luminance values in cd/m<sup>2</sup>

$\gamma$  65°  
   $\gamma$  70°  
   $\gamma$  75°  
   $\gamma$  80°  
   $\gamma$  85°



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<b>Multilumen Table</b>	environmental temperature: 25°C	<b>sITeco</b>
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DIP-Step	Switch Setting				Luminous flux [lm]	Power consumption [W]
	1	2	3	4		
11	ON	OFF	ON	ON	4410	28.6
10	ON	OFF	ON	OFF	4120	26.4
9	ON	OFF	OFF	ON	3820	24.4
8	ON	OFF	OFF	OFF	3520	22.3
7	OFF	ON	ON	ON	3220	20.4
6	OFF	ON	ON	OFF	2910	18.3
5	OFF	ON	OFF	ON	2600	16.2
4	OFF	ON	OFF	OFF	2280	14.3
3	OFF	OFF	ON	ON	1960	12.2
2	OFF	OFF	ON	OFF	1640	10.4
1	OFF	OFF	OFF	ON	1310	8.5
0	OFF	OFF	OFF	OFF	970	6.6